IGEL Technology

Company and Product Overview

The Advantage of IGEL

IGEL GmbH was founded in 1989 and we have specialized in terminals and thin clients ever since. Today analysts recognize us as an industry thought leader and one of the fastest growing thin client vendors in the world.

IGEL offers the broadest range of thin clients in the world with the deepest set of digital services. Our approach means that you can consolidate more hardware, such as a PC and a telephone, into one affordable and easy to manage device. It means you are never stuck in a technological cul-de-sac if you ever decide to add new digital services or re-deploy your existing IGEL terminals. Our approach gives you far greater long term cost savings compared with traditional thin clients and more flexibility to handle whatever the future throws at you.

IGEL products offer outstanding value for the money. For example, all IGEL thin clients come with a full version of IGEL Remote Management Suite. This extremely powerful tool can manage thousands of terminals with point-and-click simplicity. We offer outstanding technical support for all our thin clients and our firmware and IGEL Remote Management Suite are continually updated at no extra cost. This means you always know the cost of your IGEL investment up-front and there are no hidden extras.

As a customer, you matter to IGEL. We have supported all sorts of organizations including some of the world's most respected organizations such as DaimlerChrysler, Piper Aircraft, Berlin University and HSBC. We can handle global projects across North America, Europe and Asia. We are a private, highly stable, financially independent, fast growing, German company that believes in organic growth and delivering world class technology to our customers. We don't chop and change product roadmaps leaving customers stranded. In short, we respect our customers and employees.

If you are looking at radically improving how you deploy your applications and digital services, or you simply want to understand more about our unique vision, come and speak with us.

IGEL Technology. Many functions. One device.

Product Overview

All our research and development is carried out in Germany by our world-class engineers and final assembly is carried out at our warehouse facilities in Asia, Europe and North America. This means you get outstanding quality and technology in a unit that has undergone final flashing and testing the day it is sent to you.

The IGEL product range includes traditional desktop form factors plus LCD integrated units, mobile tablets, quad screens and remote management software. The breadth of our portfolio means that you can deliver all the benefits of thin clients, in addition to new digital services such as VoIP and SAP, to almost anywhere in your organization. Most of our product series are available in Linux, Microsoft® Windows® CE and Microsoft® Windows® Windows XP Embedded ensuring that you can have an operating system that meets your organization's needs.

Our thin client products offer unrivalled security, with Smartcard and eTokens support available across the range. We also offer integrated Smartcard readers, and dual monitor support as standard on most models.

Hardware

TC Card

The IGEL TC conversion card contains the IGEL Linux firmware in Compact Flash memory. Your PC's hard disk can be swapped for the TC card, turning your old PC into an affordable IGEL thin client.

Smart Series

A small, affordable, energy efficient thin client for accessing server-based Windows applications via ICA and RDP.

Compact Series

A secure thin client that includes an internal Smartcard reader and a very broad set of I/O ports. It also includes ICA and RDP clients, a local web browser and terminal emulation.

Winestra Series

An expandable thin client that includes ICA and RDP clients, a local web browser, terminal emulation, a very broad set of I/O ports and an internal PCI slot for additional cards such as fibre optic, ISDN or token ring.

Premium Series

A very powerful, secure and expandable thin client with a broad range of I/O ports. Includes an internal Smartcard reader. Comes with a very broad set of digital service clients including ICA/RDP, web browser, terminal emulation, VoIP, SAP GUI and Java virtual machine. The internal PCI slot and the PC Card slot can be used for expansion cards such as token ring.

Elegance Series

An integrated 17" LCD thin client with an internal Smartcard reader and a broad range of I/O ports. Comes with a very broad set of digital service clients including ICA, RDP, web browser, terminal emulation, VoIP, SAP GUI and Java Virtual Machine.

PanaVeo Series

Custom designed quad screen thin client developed for the most demanding graphics environments. Can display either different sessions on each screen or a single very high resolution image.

ProScribe

Ultra-mobile, ruggedized, secure, expandable thin client with a 12.1" screen.

Software

Central management of your IGEL thin client infrastructure is effortless and trouble-free using the bundled IGEL Remote Management Suite. It is a "full" management tool version with no restricted features. It is continually updated at no extra cost. This means your IGEL thin client project can scale up to tens of thousands of users from day one and any bug fixes or technology upgrades will not cost you any more.

Yet, IGEL Remote Management Suite is easy and intuitive to use through a user-friendly GUI interface offering 'click and go' type functionality, with almost all thin client firmware settings able to be controlled remotely. This is unlike many other thin client management tools that have to use complex scripts to get anything done.

IGEL Remote Management Suite allows you to group devices into "profiles" by defining rules, making device roll out and administration very easy. Using this technique, an IGEL device can automatically be given the right profile on first time connect, allowing plug-in-and-go installation a reality.

IGEL Remote Management Suite is also very network friendly and designed to reduce infrastructure costs and complexity. For example, it can reduce network load across the WAN by using remote FTP servers for holding images. To remove the need to have dedicated local FTP servers, any IGEL Linux device can be cloned to its neighbors using 'Buddy Update'. It also uses FTP and HTTP(S) protocols for imaging, meaning you don't have to open proprietary ports on your organization's routers, making installation much easier and leaving your organization with the minimum number of network ports open for maximum security.

Remote Management Suite offers high degrees of automation for job scheduling, allowing administrators to carry out maintenance tasks on groups of terminals during suitable times to minimize impact on users. Combined with the ability to easily and accurately target groups of clients using profiles, job scheduling makes maintenance of an IGEL thin client estate extremely efficient and easy.

Systems administrators will also appreciate the openness of IGEL Remote Management Suite. Its GUI is based upon Java, making access possible from any device on the network supporting a JVM. It also supports a wide variety of databases: Microsoft® SQL, Oracle, PostgreSQL and DB2, in addition to the free version of SAPDB that can be downloaded from our website. This wide database support makes IGEL Remote Management Suite suitable for infrastructures based on either Windows Server or Linux.

Offering great functionality, scalability and security, with a flexible, user-friendly interface, Remote Management Suite is a powerful management tool providing you with high levels of control.

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Product Specifications

	IGEL Series Name	Smart			Compact			Winestra		
	IGEL Model Name	**2110 LX**	**2110 CE**	**2510 XP**	**3210 LX**	**3210 CE**	**3610 XP**	**4210 LX**	**4210 CE**	**4610 XP**
	Embedded Operating System	IGEL Flash Linux	MS Windows CE	MS Windows XPe	IGEL Flash Linux	MS Windows CE	MS Windows XPe	IGEL Flash Linux	MS Windows CE	MS Windows XPe
Hardware	**Hardware Config** Power Supply	External	External	External	Internal	Internal	Internal	External	External	External
	Compact Flash Memory	128 MB	128 MB	512 MB	128 MB	128 MB	512 MB	128 MB	128 MB	1 GB
	RAM	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB
	CPU	VIA Eden 400 MHz	VIA Eden 400 MHz	VIA Eden 400 MHz	VIA Eden 600 MHz	VIA Eden 600 MHz	VIA Eden 600 MHz	VIA C7 1 GHz	VIA C7 1 GHz	VIA C7 1 GHz
	Video Memory (UMA) onboard VGA	16 MB	16 MB	16 MB	16 MB	16 MB	16 MB	16 MB	16 MB	16 MB
	Screen Res @24–bit (max) – VGA & DVI	1920 x 1440 & 1600 x 1200	1280 x 1024 & 1280 x 1024	1920 x 1440 & 1600 x 1200	1920 x 1440 & 1600 x 1200	1280 x 1024 & 1280 x 1024	1920 x 1440 & 1600 x 1200	1920 x 1440 & 1600 x 1200	1280 x 1024 & 1280 x 1024	1920 x 1440 & 1600 x 1200
	Dimensions (H x W x D in mm)	215 x 35 x 215	215 x 35 x 215	215 x 35 x 215	240 x 43 x 225	240 x 43 x 225	240 x 43 x 225	290 x 53 x 230	290 x 53 x 230	290 x 53 x 230
	Physical Connectivity Support PS/2, Serial, Parallel, VGA Ports	●[3]	●[3]	●[3]	●	●	●	●	●	●
	USB Ports 2.0	4	4	4	3	3	3	4	4	4
	Ethernet (RJ45)	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100
	16–bit Stereo Sound Ports	●	●	●	●	●	●	●	●	●
	Free PCI Slot / PCMCIA							●[4]	●[4]	●[4]
	VGA + DVI (dual view capable)	●	●[2]	●	●	●[2]	●	●	●[2]	●
	Driver Support WLAN 802.11b/g	USB		USB	USB		USB	USB, PCI		USB, PCI
	DSL / PPPoE	LAN	LAN	LAN	LAN	LAN	LAN	LAN, PCI	LAN	LAN, PCI
	ISDN Dial–up Card							●		●[1]
	Token Ring Card							●		●[1]
	Fiber Optics Card							●		●[1]
Software	**Application Protocols** Citrix ICA	●	●	●	●	●	●	●	●	●
	RDP	●	●	●	●	●	●	●	●	●
	PowerTerm Emulation Suite				●	●	●	●	●	●
	VDI support	●	●	●	●	●	●	●	●	●
	NoMachine NX client	●			●			●		
	Citrix Program Neighborhood	●	Lite	●	●	Lite	●	●	Lite	●
	SAP GUI									
	System Protocols X11R6 / XDMCP	●			●			●		
	Remote Applications via RSH/SSH	●			●			●		
	XCFont service, NFS Font Server	●			●			●		
	LPD, ThinPrint Client, TCP Print	●	ThinPrint	ThinPrint	●	ThinPrint	ThinPrint	●	ThinPrint	ThinPrint
	SMB and NFS remote mounts	●		SMB	●		SMB	●		SMB
	Security Read only File System	●	●	●	●	●	●	●	●	●
	PPTP (VPN)	●	●	●	●	●	●	●	●	●
	Smartcard Reader				●	●	●	Optional	Optional	Optional
	Network TCP/IP, UDP, PXE–Boot	●	●	●	●	●	●	●	●	●
	Local Internet Functionalities Local Browsers			IE 6.0	Firefox	IE 6.0	IE 6.0	Firefox	IE 6.0	IE 6.0
	Local Java Runtime Environment									●
	Media Player			●		●	●		●	●
	Acrobat Reader				●		●	●		●
	VoIP–Client				●			●		
	Administration and Remote Management Fail–safe Firmware Update Mechanism	●	●	●	●	●	●	●	●	●
	IGEL Remote Management Suite	●	●	●	●	●	●	●	●	●
	Shadowing (VNC)	●		●	●		●	●		●
	Remote Firmware Update	●	●	●	●	●	●	●	●	●
	Scheduling	●	●	●	●	●	●	●	●	●

[1] Installable options [2] Not dual view capable [3] No parallel ports [4] Free PCI Slot only

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	IGEL Series Name	Premium			PanaVeo		ProScribe	Elegance 17“	
	IGEL Model Name	5210 LX	5310 LX	5610 XP	7302 LX / 7304 LX	7602 XP / 7604 XP	8600 XP	9317 LX	9617 XP
	Embedded Operating System	IGEL Flash Linux	IGEL Flash Linux	MS Windows XPe	IGEL Flash Linux	MS Windows XPe	MS Windows XPe	IGEL Flash Linux	MS Windows XPe
Hardware	Hardware Config: Power Supply	External	External	External	External	External	Battery / External	External	External
	Hardware Config: Compact Flash Memory	128 MB	256 MB	1 GB	256 MB	1 GB	1 GB	256 MB	1 GB
	Hardware Config: RAM	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB
	Hardware Config: CPU	VIA C7 1.3 GHz	VIA C7 1.3 GHz	VIA C7 1.3 GHz	Intel Celeron 800 MHz	Intel Celeron 800 MHz	VIA Eden 1 GHz	VIA Eden 1 GHz	VIA Eden 1 GHz
	Hardware Config: Video Memory (UMA) onboard VGA	16 MB	16 MB	16 MB	64 MB / 128 MB	64 MB / 128 MB	16 MB	16 MB	16 MB
	Hardware Config: Screen Res @24–bit (max) – VGA & DVI	1920 x 1440 & 1600 x 1200	1920 x 1440 & 1600 x 1200	1920 x 1440 & 1600 x 1200	2048 x 1536 / 1600 x 1200	2048 x 1536 / 1600 x 1200	1024 x 786	1280 x 1024	1280 x 1024
	Hardware Config: Dimensions (H x W x D in mm)	290 x 53 x 230	290 x 53 x 230	290 x 53 x 230	72 x 240 x 220	72 x 200 x 220	314 x 236 x 36	371 x 393 x 180	371 x 393 x 180
	Physical Connectivity Support: PS/2, Serial, Parallel, VGA Ports	●	●	●	●	●		●	●
	Physical Connectivity Support: USB Ports 2.0	4	4	4	4	4	2	4	4
	Physical Connectivity Support: Ethernet (RJ45)	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100
	Physical Connectivity Support: 16–bit Stereo Sound Ports	●	●	●	●	●	●	●	●
	Physical Connectivity Support: Free PCI Slot / PCMCIA	●	●	●			PCMCIA		
	Physical Connectivity Support: VGA + DVI (dual view capable)	●	●	●	●	●			
	Driver Support: WLAN 802.11b/g	USB, PCI, PCMCIA	USB, PCI, PCMCIA	USB, PCI, PCMCIA	USB	USB	Built–in	Built–in	Built–in
	Driver Support: DSL / PPPoE	LAN, PCI	LAN, PCI	LAN, PCI	LAN	LAN	LAN	LAN	LAN
	Driver Support: ISDN Dial–up Card	●	●	●[1]					
	Driver Support: Token Ring Card	●	●	●[1]					
	Driver Support: Fiber Optics Card	●	●	●[1]					
Software	Application Protocols: Citrix ICA	●	●	●	●	●	●	●	●
	Application Protocols: RDP	●	●	●	●	●	●	●	●
	Application Protocols: PowerTerm Emulation Suite	●	●	●	●	●	●	●	●
	Application Protocols: VDI support	●	●	●	●	●	●	●	●
	Application Protocols: NoMachine NX client	●	●		●			●	
	Application Protocols: Citrix Program Neighborhood	●	●	●	●	●	●	●	●
	Application Protocols: SAP GUI		●		●			●	
	System Protocols: X11R6 / XDMCP	●	●		●			●	
	System Protocols: Remote Applications via RSH/SSH	●	●		●			●	
	System Protocols: XCFont service, NFS Font Server	●	●		●			●	
	System Protocols: LPD, ThinPrint Client, TCP Print	●	●	ThinPrint	●	ThinPrint	ThinPrint	●	ThinPrint
	System Protocols: SMB and NFS remote mounts	●	●	SMB	●	SMB	SMB	●	SMB
	Security: Read only File System	●	●	●	●	●	●	●	●
	Security: PPTP (VPN)	●	●	●	●	●	●	●	●
	Security: Smartcard Reader	●	●	●			●	●	●
	Network: TCP/IP, UDP, PXE–Boot	●	●	●	●	●	●	●	●
	Local Internet Functionalities: Local Browsers	Firefox	Firefox	IE 6.0	Firefox	IE 6.0	IE 6.0	Firefox	IE 6.0
	Local Internet Functionalities: Local Java Runtime Environment		●	●	●	●	●	●	●
	Local Internet Functionalities: Media Player		MPlayer	●	MPlayer	●	●	MPlayer	●
	Local Internet Functionalities: Acrobat Reader	●	●	●	●	●	●	●	●
	Local Internet Functionalities: VoIP–Client	●	●		●			●	
	Administration and Remote Management: Fail–safe Firmware Update Mechanism	●	●	●	●	●	●	●	●
	Administration and Remote Management: IGEL Remote Management Suite	●	●	●	●	●	●	●	●
	Administration and Remote Management: Shadowing (VNC)	●	●	●	●	●	●	●	●
	Administration and Remote Management: Remote Firmware Update	●	●	●	●	●	●	●	●
	Administration and Remote Management: Scheduling	●	●	●	●	●	●	●	●

[1] Installable options [2] Not dual view capable [3] No parallel ports [4] Free PCI Slot only

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	IGEL Series Name	Legacy Terminals		Thin Client Card	IBM NetVista Upgrades	
	IGEL Model Name	1110 Legacy	5110 X–Term	TC 5200 CF LX	2210 LX	2810 LX
	Embedded Operating System	IGEL Flash Linux	IGEL Flash Linux	IGEL Flash Linux	IGEL Flash Linux	
Hardware	Hardware Config – Power Supply	External	External			
	Hardware Config – Compact Flash Memory	128 MB	128 MB	128 MB	128 MB	128 MB
	Hardware Config – RAM	128 MB	128 MB			
	Hardware Config – CPU	VIA Eden 400 MHz	VIA C7 1GHz			
	Hardware Config – Video Memory (UMA) onboard VGA	16 MB	16 MB			
	Hardware Config – Screen Res @24–bit (max) – VGA & DVI	1920 x 1440 & 1600 x 1200	1920 x 1440 & 1600 x 1200			
	Hardware Config – Dimensions (H x W x D in mm)	215 x 35 x 215	290 x 53 x 230			
	Physical Connectivity Support – PS/2, Serial, Parallel, VGA Ports	●	●	Dependant on host device	Dependant on host device	
	Physical Connectivity Support – USB Ports 2.0	4	4			
	Physical Connectivity Support – Ethernet (RJ45)	10/100	10/100			
	Physical Connectivity Support – 16–bit Stereo Sound Ports	●	●			
	Physical Connectivity Support – Free PCI Slot / PCMCIA	●	●			
	Physical Connectivity Support – VGA + DVI (dual view capable)	●	●			
	Driver Support – WLAN 802.11b/g	USB	USB, PCI, PCMCIA	USB, PCI	USB	USB, PCI
	Driver Support – DSL / PPPoE	LAN	LAN, PCI	LAN, PCI	LAN	LAN
	Driver Support – ISDN Dial–up Card		●	●		
	Driver Support – Token Ring Card		●	●		●
	Driver Support – Fiber Optics Card		●			
Software	Application Protocols – Citrix ICA			●	●	●
	Application Protocols – RDP			●	●	●
	Application Protocols – PowerTerm Emulation Suite	●		●	●	●
	Application Protocols – VDI support			●		
	Application Protocols – NoMachine NX client			●		
	Application Protocols – Citrix Program Neighborhood			●		●
	Application Protocols – SAP GUI					
	System Protocols – X11R6 / XDMCP	●	●	●	●	●
	System Protocols – Remote Applications via RSH/SSH	●	●	●	●	●
	System Protocols – XCFont service, NFS Font Server	●	●	●	●	●
	System Protocols – LPD, ThinPrint Client, TCP Print	●	●	●	●	●
	System Protocols – SMB and NFS remote mounts	●	●	●	●	●
	Security – Read only File System	●	●	●	●	●
	Security – PPTP (VPN)	●	●	●	●	●
	Security – Smartcard Reader		●			
	Network – TCP/IP, UDP, PXE–Boot	●	●	●	●	●
	Local Internet Functionalities – Local Browsers			Firefox		Firefox
	Local Internet Functionalities – Local Java Runtime Environment					
	Local Internet Functionalities – Media Player					
	Local Internet Functionalities – Acrobat Reader			●		●
	Local Internet Functionalities – VoIP–Client			●		
	Administration and Remote Management – Fail–safe Firmware Update Mechanism	●	●	●	●	●
	Administration and Remote Management – IGEL Remote Management Suite	●	●	●	●	●
	Administration and Remote Management – Shadowing (VNC)	●	●	●	●	●
	Administration and Remote Management – Remote Firmware Update	●	●	●	●	●
	Administration and Remote Management – Scheduling	●	●	●	●	●

[1] Installable options [2] Not dual view capable [3] No parallel ports [4] Free PCI Slot only

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